

In the Claims

Please CANCEL Claims 1-5 without prejudice or disclaimer.

Please ADD the following NEW Claim 6.

6. A method for identifying brain loci of neural clusters that determine the subjective quality of a particular elementary mental state, such as any innate submodality element of sensation, comprising the steps of:
  - (1) establishing correspondence between said submodality element of sensation and the external stimulus that normally elicits it, and with a voluntary behavioral response, so that said behavioral response following said stimulus signifies the presence of the said element of sensation, and the absence of said behavioral response signifies the absence of said element of sensation;
  - (2) detecting, immediately following said external stimulus and said corresponding behavioral response, brain loci that manifest transient increased activation;
  - (3) identifying, among the said brain loci that manifest increased activation, those whose deactivation selectively eliminates said behavioral response to said external stimulus, without eliminating behavioral responses to external stimuli that induce other elements of sensation within the same submodality.